

THE TECH

DAILY

VOL. XXIX. NO. 61.

BOSTON, MASS., THURSDAY, DECEMBER 9, 1909

PRICE ONE CENT

PROGRAM OF SPORTS FOR COMING WINTER

Five Branches From Which To Choose--A Chance For Everyone

There are five different sports which the Institute is to be represented this winter. In order that every man may know just what the opportunities in this line are, The Tech has prepared a list of these sports with a short summary of the outlook and condition of each at the present time.



HAROLD D. BILLINGS 1910
Manager of Hockey team

Hockey

Scarcity of ice will oblige the hockey team to practice in the gymnasium, but winter is here and ice must come.

The new rink will soon be ready and is to be used by the Tech team.

Manager Billings has arranged an especially attractive schedule and there will be many good trips.

Track

Practice for track men will be held on Monday, Tuesday and Thursday afternoons, 4.15-5.30 and on Saturday afternoons from 2.30-5.00. When possible the men will do distance work on the board track on the oval Monday afternoons.

Coach Kanaly wants every man who is going to run in the intercollegiate meet in the spring to get his preliminary experience in indoor track work this winter and desires that every man begin now.

Training for indoor track work will begin, Monday, Dec. 13, and new men have a chance to make their letters and numerals in the meets this winter. These opportunities will come in the B. A. A. meet Feb. 12, in the Lawrence Light Guard meet, and in the N. Y. A. C. meet. At all three meets Technology is always represented by a relay team. Men will be needed to take the places of Capt. Gram and Jack Moses of last year's team. Opportunities to win numerals will be given in the indoor class meet.

Basket Ball

Much interest has been shown in basket ball this year and Technology will be represented by a strong team. There is a large squad of twenty-five members and with five veterans back, the team ought to be one of the first in New England. Besides the varsity squad there are the two underclass teams

WORK IN MINING DEPT.-- NEW TEXT BOOK USED

Work Of Professor Richards-- Investigation On Bone- Ash Cupels

The appearance of the second two volumes on ore dressing has proved to be of considerable importance to the students in the Mining Department this year.

Another important feature of the work of the department is an investigation of the breaking of bone-ash cupels.

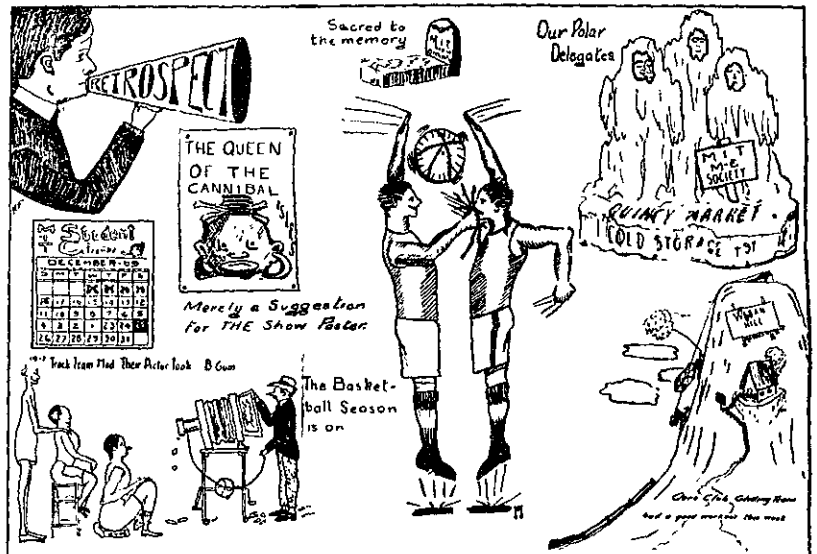
Volumes III and IV of Ore Dressing by Prof. Robert H. Richards appeared in September of this year. These supplement volumes I and II which were issued in 1903 and they show the advances that have been made in the art during the past six years. This work is recognized as the standard treatise on ore dressing. It represents a vast amount of work; two assistants have been continuously engaged in connection with its preparation during the past three years and at times other assistants have been required. For class use a condensation of these four volumes (total number of pages 2052) has been made in the form of a textbook designed particularly to be used in teaching and also available for men who wish a reference book of ore dressing which would give them the main principles and not go into too much detail.

This book is already in use by the present senior class in ore dressing. It is the culmination of the preparation of notes for the ore dressing class. For several years lithographed notes were used which gave illustrations of machines and processes. These contained no text and were incomplete for students' use in that respect. During the past six years a number of the students have used volumes I and II of Ore Dressing for a reference book in connection with their lectures, but the ground covered by these two volumes is too extensive to make them satisfactory for class-room purposes. The textbook now seems to fill the need very nicely. Its operation will be watched with much interest. The criticism is sometimes made that if students have a reference book which covers the lectures it leads to an inclination to neglect the lecture work and not pay full attention, since the student feels that he can recover by cramming the book at the end of the term.

The assaying department has been making an extended investigation of the cause of cracking of bone-ash cupels. A large number of experiments have been tried in the past and Prof. Bugbee now announces that he believes the problem to be solved. This cracking of cupels is particularly aggravating in assaying work owing to the fact that where a crack appears a little globule of silver may be lost in the crack and the whole assay spoiled.

Prof. H. O. Hofman is spending a couple of days in Washington on professional work.

The Aero Club of Amherst has scheduled two lectures for the month of December. Hudson Maxim, inventor of the Maxim gun and smokeless powder, will talk on "The Warfare of the Future," and Mason A. Arnold, a world famous balloon pilot will give a lecture on "The Navigation of the Air," which will be illustrated by moving pictures.



SPECIAL COURSE I ISSUE OUT SATURDAY

Articles Of Value And Interest By Professors And Graduates

"What Course shall I take?" In order to enable everyone to be better able to answer this question, the graduates as well as the members of the different courses have been asked to assist the Tech in the publication of special issues on these courses. This coming Saturday the first of these, the Civil Engineering special, will be published. The following Saturday the Mechanical Engineering issue will appear.

In the first issue the subjects treated will be, what the course stands for at present, what opportunities it offers, the kind of life a civil engineer leads, how the course at the Institute trains for this life, and what is left for the life-work to develop.

Besides the articles from the graduates and professors on this phase of the work, there will be a history of some of the past graduates with the work they are now doing, the work of members of the department and pictures of them.

Some of the special articles are as follows:—a history of the department by Professor Allen, the field of Civil Engineering by Professor Spofford, articles on Sanitary and on Hydraulic Engineering by Professor Porter, Railroad Engineering by Professor Allen, the movement for a permanent Summer Camp of Civil Engineering by Professor Robbins and other articles along these lines.

MILITARY DRILL NOTES

A representative from Oliver Ditson & Co., has looked over the band instruments and has made an estimate for repairing them. This means that the band is soon to play in public.

Beginning January 3, 1910, the Monday and Friday drills will begin at two o'clock instead of at ten minutes past three as heretofore.

The officers will receive their sabres as soon as Bursar Rand appropriates the necessary money.

LACK OF INTEREST IN PROM. ELECTIONS

Polls Close At Four Today-- Few Juniors Have Voted Yet

To-night, at four o'clock, the committee who are to make all arrangements for the 1911 "Junior Prom" will have been decided.

The success of the Prom, which is by far the biggest social event of the Institute year, depends largely on the junior class as a whole, primarily in the selection of a good committee, and secondly in encouraging a large attendance.

Next term will be time enough for the support in the latter respect, but not so in the former—the Prom Committee must be selected by four o'clock to-night!

In order to obtain the best possible results, every member of the junior class must vote. So far only a few have done so, but let us hope that the rest of them will have enough spirit to visit the polls before four o'clock to-night.

PHYSICAL SOCIETY

Dr. George E. Hale, director of the Mount Wilson Observatory and graduate of the Institute, has consented to give a short talk before the Physical Society on recent work carried on at the observatory. Dr. Hale expects to be in the city for two days only, and, in consequence of this fact, Dr. Falk, who was the speaker announced for today, has kindly consented to give his talk on next Thursday, Dec. 16th.

The meeting will be held as usual at 4.30 and will be in Room 22, Walker.

CALENDAR.

Thursday, December 9.

4:00 Junior Prom. Election Closes.
4:30 Physical Society, 20 Walker.

Friday, December 10.

1:00 1910 Class Meeting in H. H.
4:00 Basket Ball Practice.
4:00 Wireless Meeting, 11 B
6:30 Junior Class Dinner.
7:00 Phillips Exeter Dinner, American House.
8:00 Friday evening Entertainment.

(Continued on page 3.)

THE TECH.

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Thursday Issue.

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BOSTON, MASS., DECEMBER 9, 1909.

It seems almost beyond belief that there should be men so ignorant, so devoid of the elements of common decency as to waste their literary talents in scribbling comments, opinions and squibs on the walls and furniture around these buildings and on the notices and posters on the bulletin boards. The defacement of a certain poster placed in the corridor of the Union to advertise The Tech is a typical example. This poster was made up at the expense of considerable time and thought on the part of the man who drew it, and he had planned to use it after it had been taken down from the bulletin board. It is to be hoped that in the future the authors of this kind of work will confine their attempts to more appropriate places. Such actions are typical of the grammar school boy rather than of a Tech student.

T. G. A. MEETING

The Tech Christian Association held its second dinner last night upstairs in the Union. The speaker of the evening was Mr. Williams, one of the pastors at the Maverick Church, East Boston.

Mr. Williams gave a deeply interesting talk about his work among the men of the laboring classes. He gave a brief sketch of the history of his parish, showing how the laboring classes have gradually supplanted the better class of society who used to live there.

Many forms of entertainment have been tried to attract these men to the church and the services. A men's club has been organized and amusements such as basket ball, music, and lectures are held.

It is at these meetings, Mr. Williams said, that Technology men can do a lot of good and help him a great deal. They can help out the entertainments with music or they can just stay around and radiate good feeling among the men.

After the talk the men formed into a group for practical Bible study which continued for half an hour.

M. E. SOCIETY TRIP

Visit Stanley Auto Works-- Observe Oil Pressure Test

Twenty members of the Mechanical Engineering Society were conducted through the works of the Stanley Motor Company by Mr. Stanley, yesterday afternoon. The progress of the construction of the machinery for the Stanley steam automobile was followed through the boiler shop to the testing rooms.

In the boiler shop the men saw the boiler heads bored and assembled, and the tubes inserted and expanded into place. One of the most interesting features in this department was the testing of a boiler under oil pressure.

They next visited the machine shop and then went to the assembling rooms. Here they saw an engine which had just had its valves set, being tested under steam pressure. At this stage it was being tried for smoothness of running rather than for development of power.

SAFE TOO HEAVY

Overloaded with cold cash was the only reason that could be obtained for the safe going through the floor in the Bursar's office last evening. The information given out was void of details, but it was found out on good authority that nobody was injured. The bullion was immediately removed to a place of safety and the damage quickly repaired.

"THE DOPESTER"

My Dear "Dopester:"

Please tell me the score of the Technology-Harvard basketball game of last year and oblige,—G. C. L.

G. C. L.—The score of last year's game was Technology, 19; Harvard, 12.

All 1913 men out for basketball. Don't wait until next week.

INTERCOLLEGIATE NEWS

At a mass meeting, the girls of the University of Minnesota were asked to sign pledges that they will not crib or appropriate other people's property.

Underclass supremacy at the University of Wisconsin is decided by a bag rush. The classes struggle over the possession of several bags filled with hay.

Michigan undergraduates have organized an Economics Club.

—Northwestern University undergraduates were the heroes last week in the rescuing of a boat load of shipwrecked men.

—Indiana claims to be the only university offering a special course in the construction of storage batteries.

—An Anti-Homesick club has been formed among freshmen women at Minnesota. They gave a banquet recently.

The men of Yale gave last year nearly \$14,000 for the support of the Yale Mission College in China.

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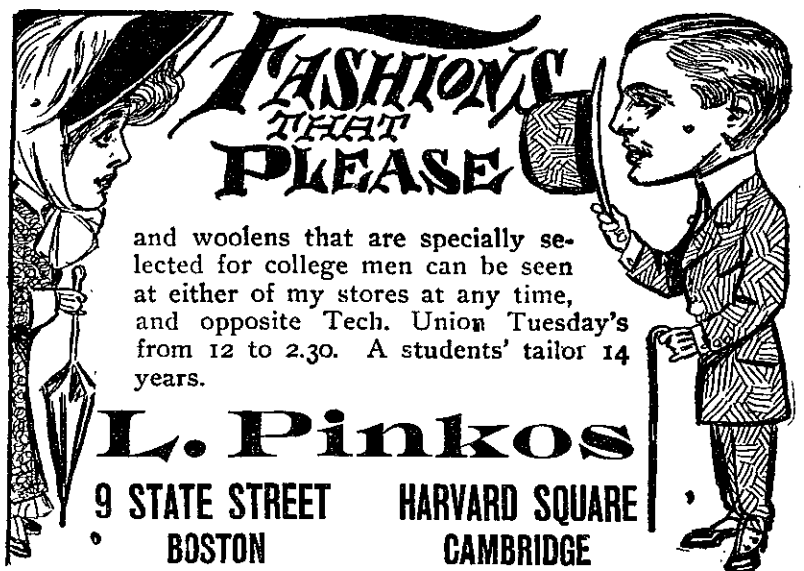
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ALL DEALERS

WINTER SPORTS

(Continued from page 1.)

which offer opportunities to freshmen and sophomores to get into basket ball work.

Gym Team

The Gym Team has been practicing for some time, but only a few men have been out. Capt. Allen, H. S. Gott and H. O. Maxwell of last year's team are back.

There will be meets with Amherst, Columbia and Harvard if the team is sufficiently developed. There will also be meets with local Y. M. C. A. teams. During the winter exhibitions will be given at the gymnasium. The first of these will come on Tuesday evening, Dec. 21.

Hand Ball

There has been a growing interest in this sport, and it is certainly deserving of attention. It seems at first sight quite simple, but there are many points to be learned about the game. It is a game that brings every muscle of the body into play and is therefore beneficial. Mr. J. J. McGrath the assistant gym instructor plays the game a great deal and every day there are a dozen or more fellows on the court. There is a good chance to run a tournament and it would be interesting to watch the matches as there are many good players.

SECOND CONCERT

The second big out-of-town concert to be given by the musical club will be held out in Wellesley next Friday evening. A very fine program has been arranged so the whole affair should prove immensely popular. The building in which the concert will be held, is the Town Hall. This is amply large enough to seat as large a crowd as may come.

This is the first concert which has ever been held in Wellesley by the club and it is highly desirable in that town that the concert be an annual affair. This will be possible, since there is so much in favor of such a concert.

The tickets are now on sale, and are going fast in the Wellesley dormitories in Wellesley. Here at the Institute, they may be obtained from Martin or Warner of the musical club.

COMMUNICATION

No doubt the freshman class think that they are doing the best thing possible in holding their first dinner away from the Union, but I would like to know if they think that they are doing the best thing for the Institute. It must be remembered that a student here at Tech is an Institute man before he is a member of any particular class.

In going away from the Union, the 1913 class is showing very poor Tech spirit. They are certainly in a class by themselves and can not be spoken of as true Institute men. A loyal Tech man would stick by M. I. T. and all its interests no matter what conditions of affairs prevailed. Why didn't the committee make more inquiries concerning the Union menus and why didn't they consult their advisors, the junior class. I feel sure that they would find that the upper classmen would heartily disapprove the course which has been pursued.—A loyal Tech man.

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Miss M. F. Fiske

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GENERAL NOTICES.

PHYSICAL SOCIETY.

The next meeting of the Society will be held in Room 20, Walker, on Thursday, December 9th, at 4.30. Dr. K. G. Falk will speak on "The Change in Refractive Index with Temperature."
D. F. COMSTOCK.

Third year Heat Problem Books have been returned and will be found on the table in the lower corridor in Walker.

The New England Association of the Alumni of the Phillips Exeter Academy.—Remember our dinner at the American House, Friday evening, December 10, at 7 O'clock. Dinner \$1.50 per plate.

N. H. S. CLUB.—Meeting of Newton High School Club at 1.00 P. M., Thursday, Dec. 9th, in 26 Rogers.

1910 Class meeting Friday, Dec. 10, in Huntington Hall at 1 o'clock. Everybody come. 59,60,61,62

1911.

Ballots for the Junior Prom. Committee election were mailed yesterday. Any men who did not receive them at their home address, will doubtless find them at the Cage. If not, ask Charlie for a ballot.

Remember that the polls close Thursday, Dec. 9, at 4.00 P. M. Don't forget to vote!

1913.

Tickets for the 1913 Class dinner will be on sale at the Union between 1 and 2 today.. 59,60,61

COURSE I.—Don't forget to buy Saturday's big special issue which is to be printed especially for you. Better engage a few. It will contain cuts of the professors, instructors and of the different laboratories connected in Course I. Price 5 cents, mailed to any address.

AERO CLUB.

All members meet Friday at 5 P. M. in old Union (Mech. Lab.). Action will then be taken on delinquent dues. Pay at Cage. S. W. SELFRIDGE.

1913.

Football team meet at Marceau, the photographer, 100 Tremont St., at 3.20 P. M. Wednesday, Dec. 15th. Bring football togs.

LOST.

In Eng. A or Lowell, Nov. 24, K. E. slide rule in leather case, both bearing L. S. W. Finder please leave at Cage.

FOR SALE.

Pair of Barney & Berry best hockey skates, bolted to shoes size No. 8. Whole combination in excellent condition. For sale at a reasonable price. Leave note at Cage for Yereance or see him in the Tech office. 58,59,60,61

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